

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021022\
 Data File : VY007470.D
 Acq On : 10 Feb 2022 14:37
 Operator : SY/MD
 Sample : N1465-02
 Misc : 6.42g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A5-2-6.5

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/11/2022
 Supervised By :Mahesh Dadoda 02/11/2022

Quant Time: Feb 11 00:51:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	109129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	199147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	199758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	74318	59.206	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.420%			
35) Dibromofluoromethane	7.722	113	65284	51.051	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.100%			
50) Toluene-d8	10.179	98	245961	52.060	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.120%			
62) 4-Bromofluorobenzene	12.483	95	93862	58.451	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.900%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.948	59	137253	1119.554	ug/l #	93
19) Methyl tert-butyl Ether	5.222	73	358618	100.214	ug/l #	69
22) Diisopropyl ether	6.119	45	33384	8.167	ug/l #	90
25) 2-Butanone	6.984	43	8527	17.312	ug/l	93
31) Cyclohexane	7.783	56	59172	24.158	ug/l	96
39) Methylcyclohexane	9.185	83	43021	15.323	ug/l	90
40) Benzene	8.161	78	3794013	640.238	ug/l	98
52) Toluene	10.246	92	37117	9.941	ug/l	95
67) Ethyl Benzene	11.593	91	621161	73.663	ug/l	99
68) m/p-Xylenes	11.703	106	177525	56.841	ug/l	98
69) o-Xylene	12.032	106	32735	11.086	ug/l	99
73) Isopropylbenzene	12.331	105	44193	5.504	ug/l	99
78) n-propylbenzene	12.672	91	134867	13.867	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	75845	11.579	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	315139	48.863	ug/l	100
85) sec-Butylbenzene	13.251	105	18997	2.221	ug/l #	64
86) p-Isopropyltoluene	13.367	119	7340m	1.053	ug/l	
89) n-Butylbenzene	13.697	91	35636	5.314	ug/l #	75
95) Naphthalene	15.233	128	287549	80.947	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

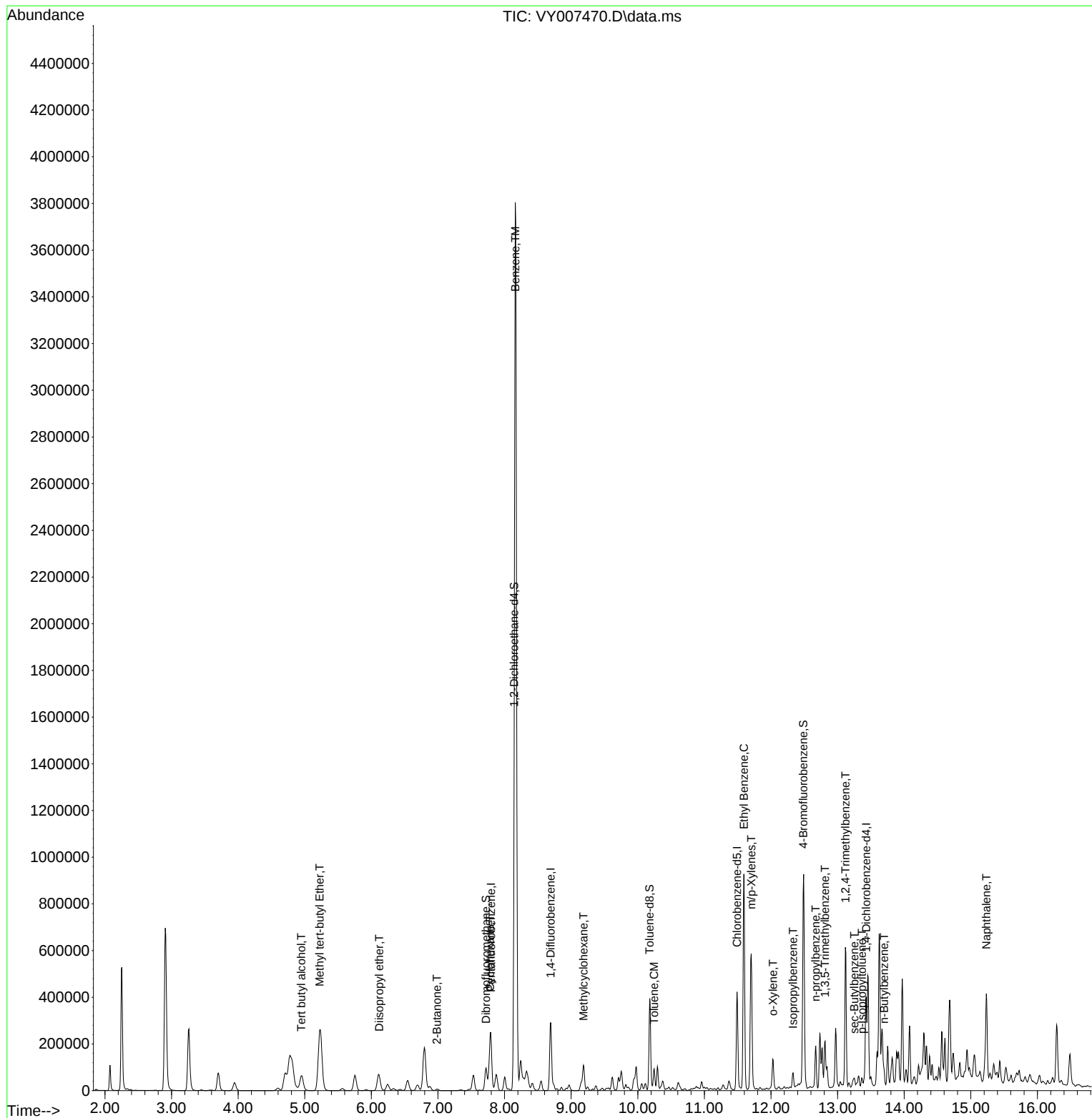
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021022\
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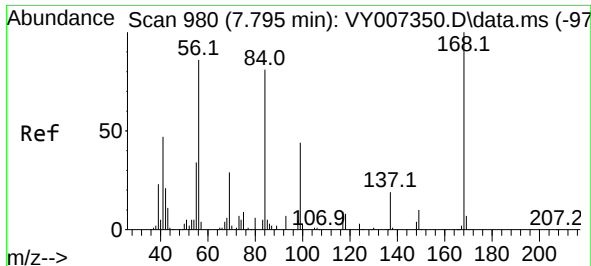
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5

Quant Time: Feb 11 00:51:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 03 04:36:48 2022
Response via : Initial Calibration

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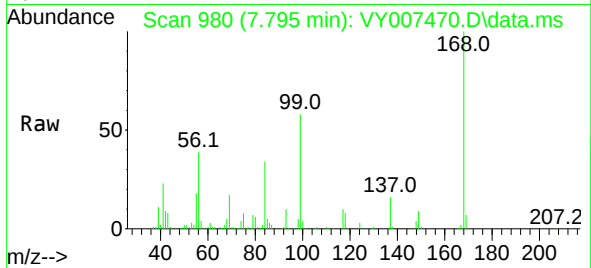
Reviewed By : John Carlone 02/11/2022
Supervised By : Mahesh Dadoda 02/11/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

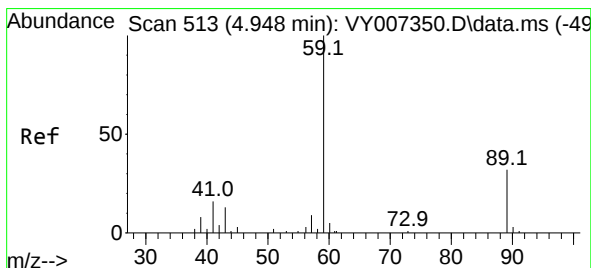
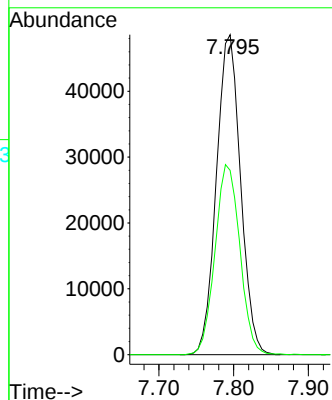
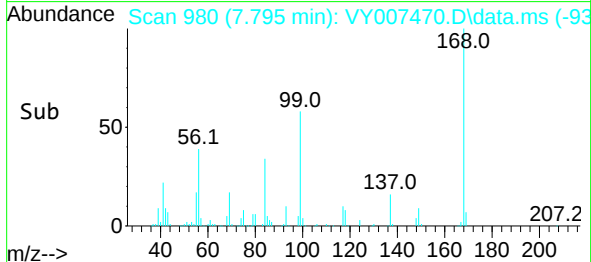
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5



Tgt Ion:168 Resp: 109129
Ion Ratio Lower Upper
168 100
99 57.6 46.9 70.3

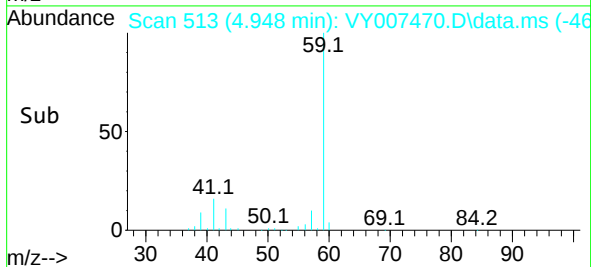
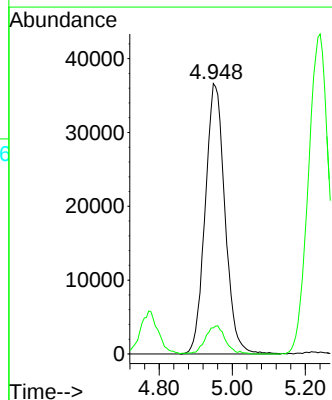
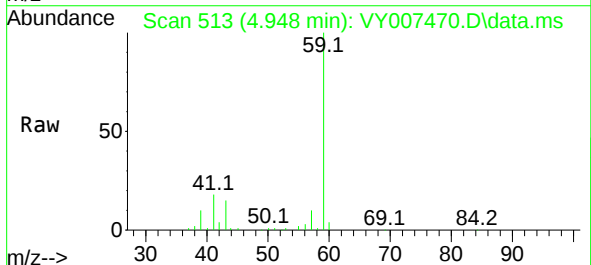
Manual Integrations
APPROVED

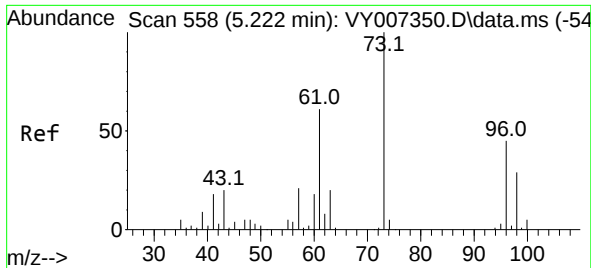
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022



#11
Tert butyl alcohol
Concen: 1119.554 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

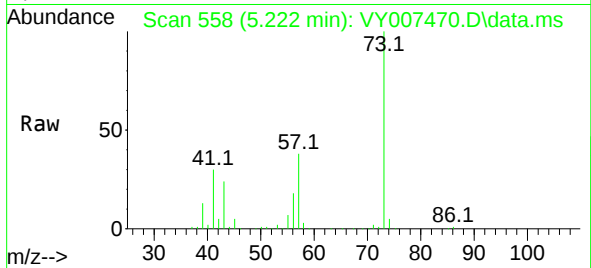
Tgt Ion: 59 Resp: 137253
Ion Ratio Lower Upper
59 100
57 10.5 6.4 9.6#





#19
Methyl tert-butyl Ether
Concen: 100.214 ug/l
RT: 5.222 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

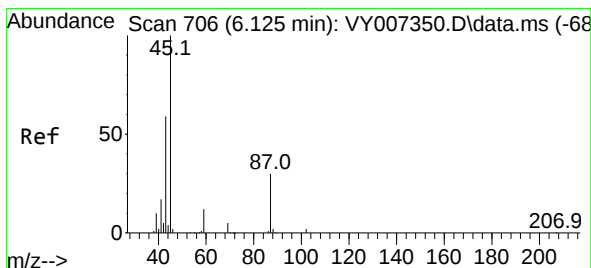
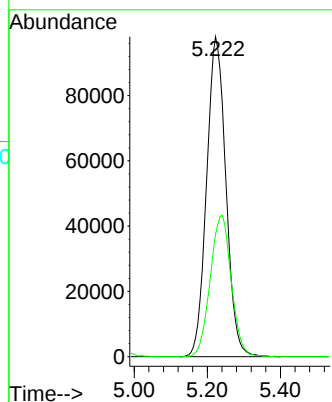
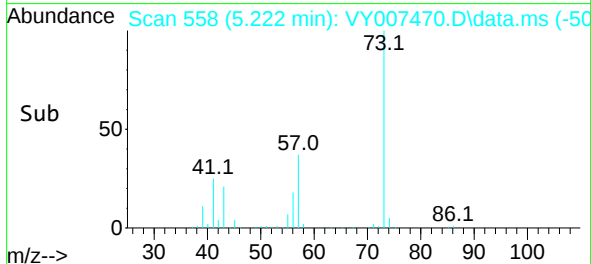
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5



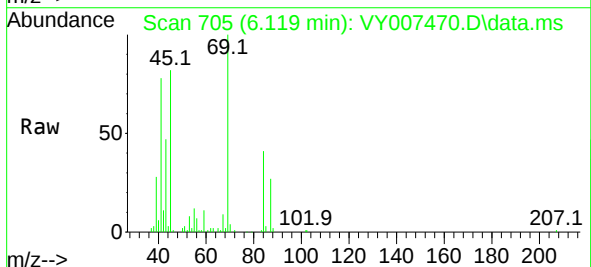
Tgt Ion: 73 Resp: 358618
Ion Ratio Lower Upper
73 100
57 38.3 18.6 27.8#

Manual Integrations
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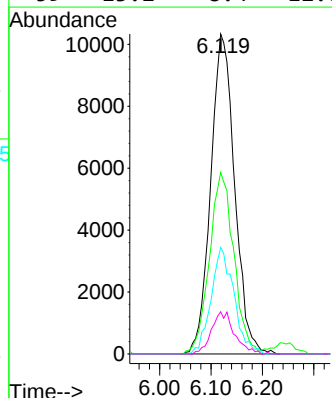
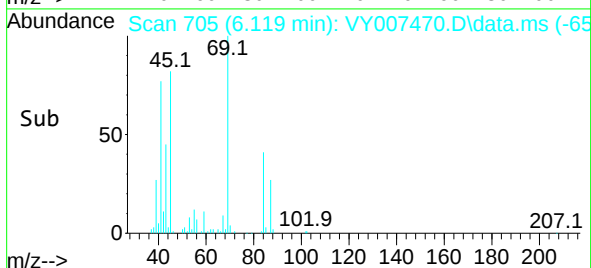
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022

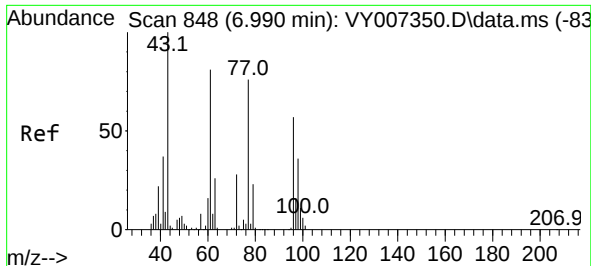


#22
Diisopropyl ether
Concen: 8.167 ug/l
RT: 6.119 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37



Tgt Ion: 45 Resp: 33384
Ion Ratio Lower Upper
45 100
43 56.7 49.3 73.9
87 33.3 19.2 28.8#
59 13.2 8.4 12.6#





#25

2-Butanone

Concen: 17.312 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY007470.D

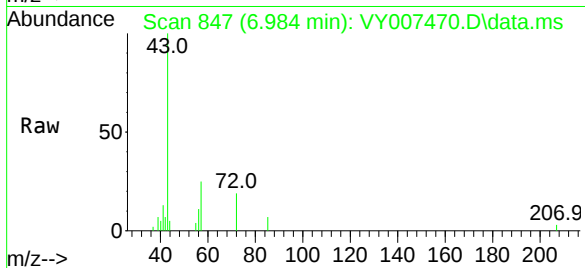
Acq: 10 Feb 2022 14:37

Instrument :

MSVOA_Y

ClientSampleId :

A5-2-6.5



Tgt Ion: 43 Resp: 852

Ion Ratio Lower Upper

43 100

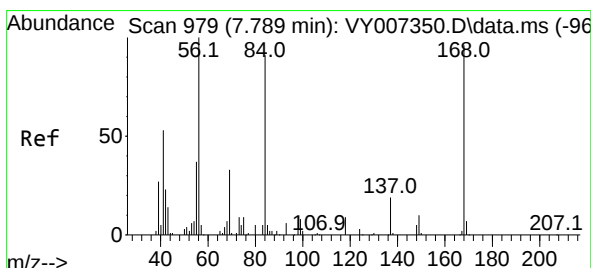
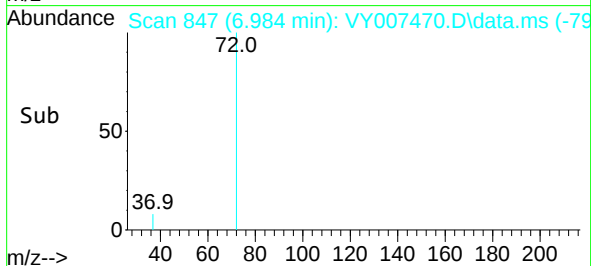
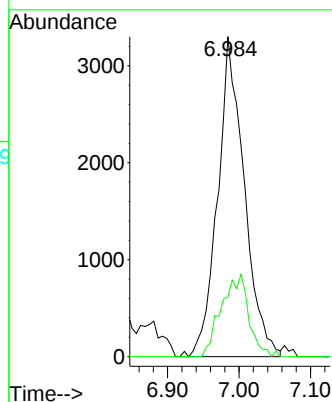
72 18.6 17.7 26.5

Manual Integrations

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#31

Cyclohexane

Concen: 24.158 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY007470.D

Acq: 10 Feb 2022 14:37

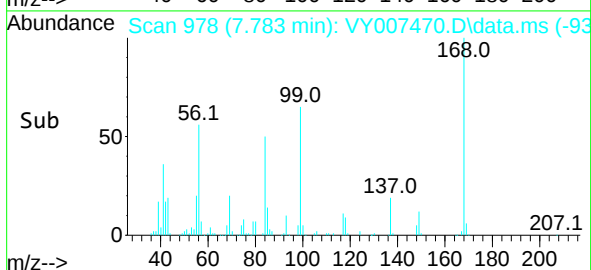
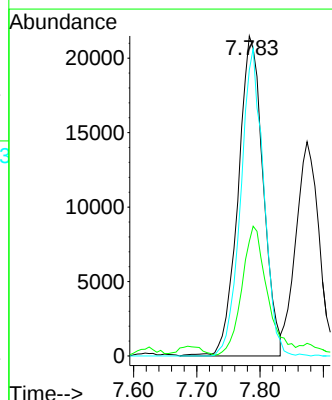
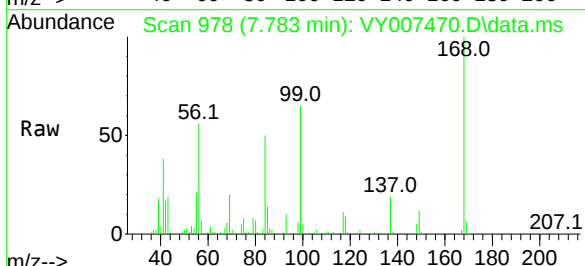
Tgt Ion: 56 Resp: 59172

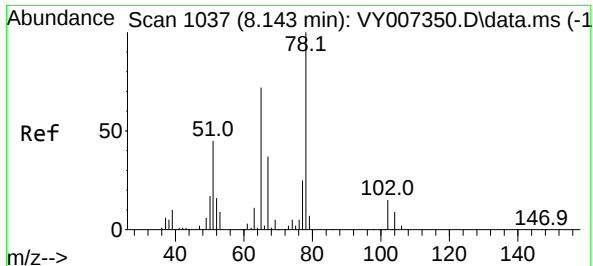
Ion Ratio Lower Upper

56 100

69 33.3 26.7 40.1

84 89.4 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 59.206 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY007470.D

Acq: 10 Feb 2022 14:37

Instrument :

MSVOA_Y

ClientSampleId :

A5-2-6.5

Tgt Ion: 65 Resp: 74318

Ion Ratio Lower Upper

65 100

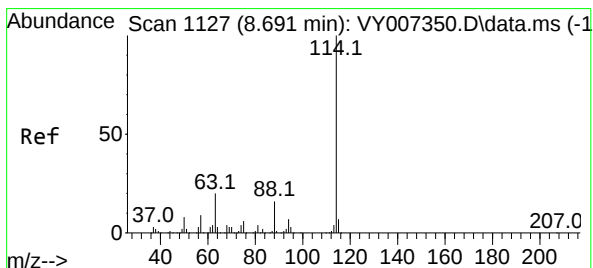
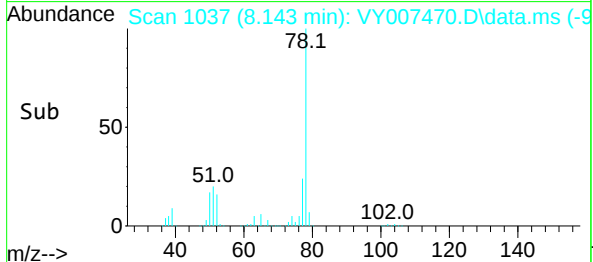
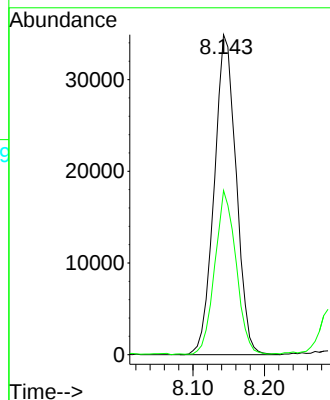
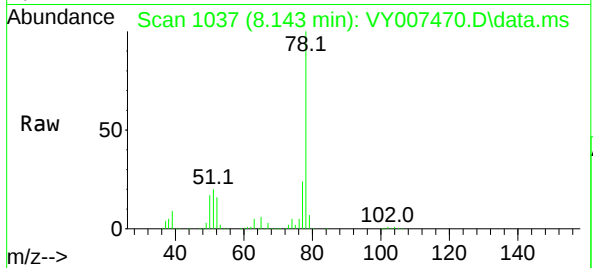
67 49.4 0.0 99.4

Manual Integrations

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Supervised By :Mahesh Dadoda 02/11/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007470.D

Acq: 10 Feb 2022 14:37

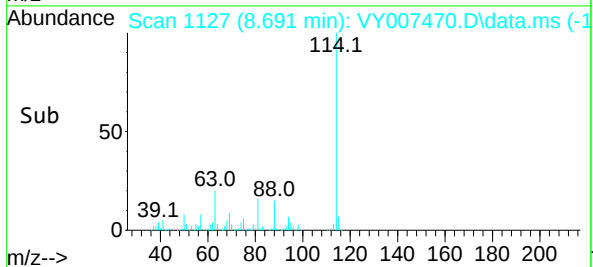
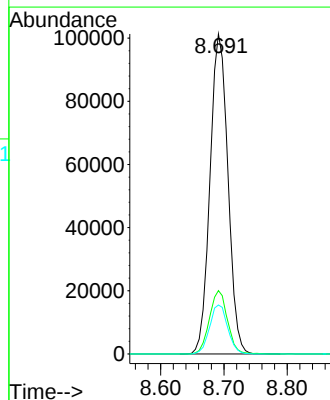
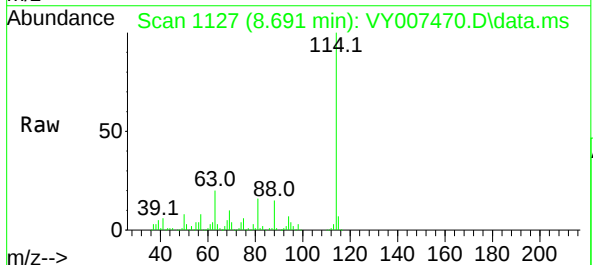
Tgt Ion:114 Resp: 199147

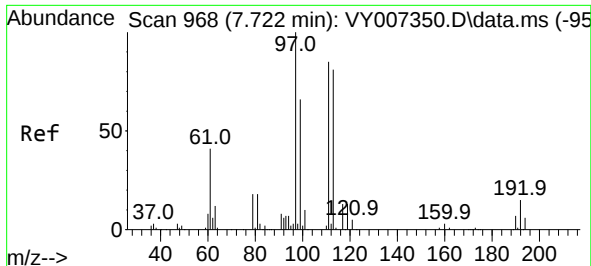
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

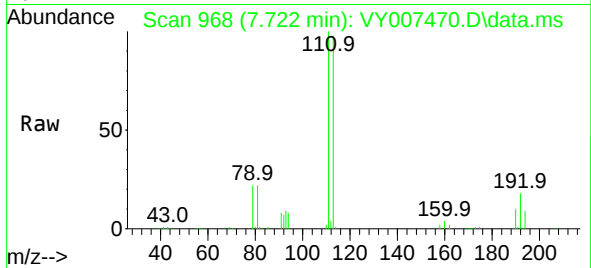
88 15.3 0.0 31.8





#35
Dibromofluoromethane
Concen: 51.051 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

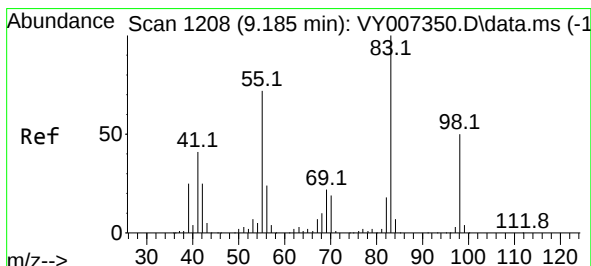
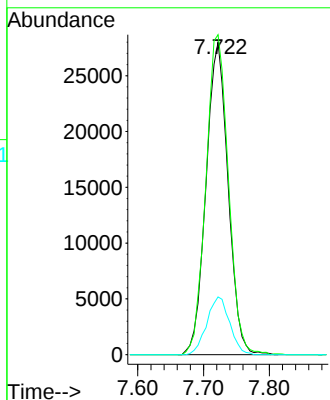
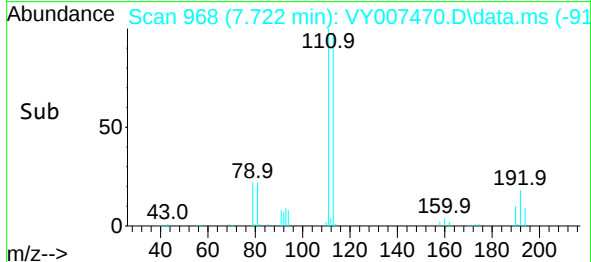
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5



Tgt Ion: 113 Resp: 65284
Ion Ratio Lower Upper
113 100
111 104.6 82.6 124.0
192 19.1 17.6 26.4

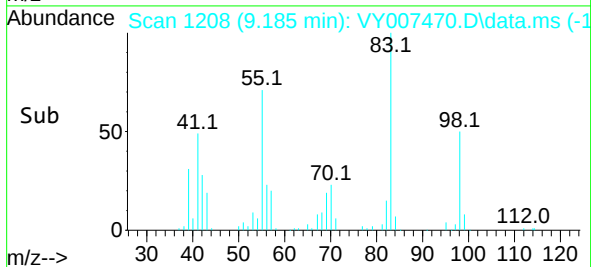
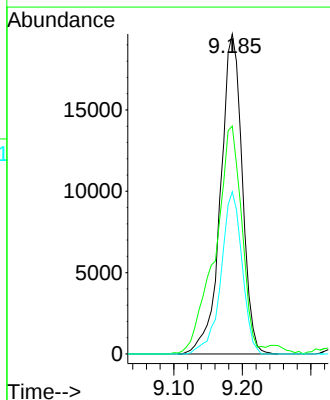
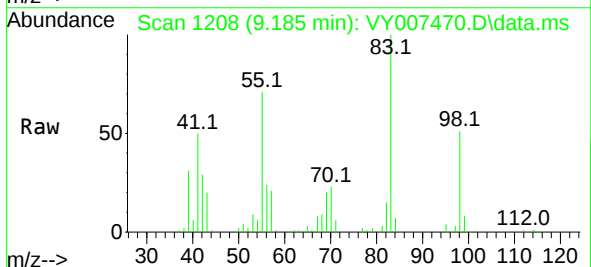
Manual Integrations
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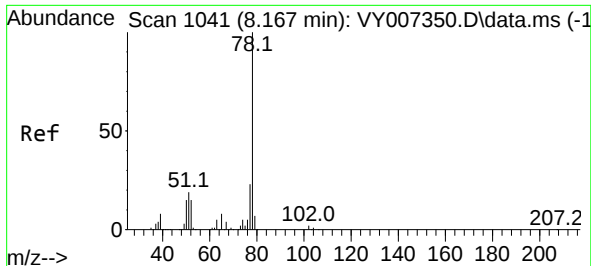
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022



#39
Methylcyclohexane
Concen: 15.323 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

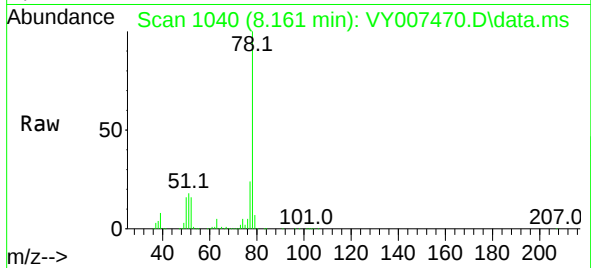
Tgt Ion: 83 Resp: 43021
Ion Ratio Lower Upper
83 100
55 70.9 66.5 99.7
98 50.7 37.9 56.9





#40
Benzene
Concen: 640.238 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

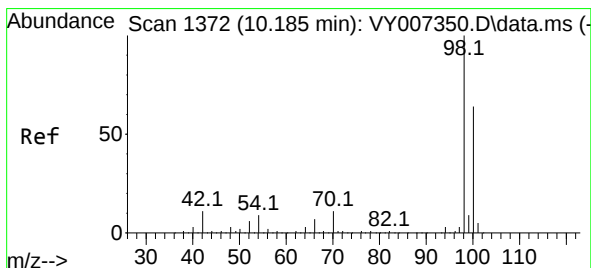
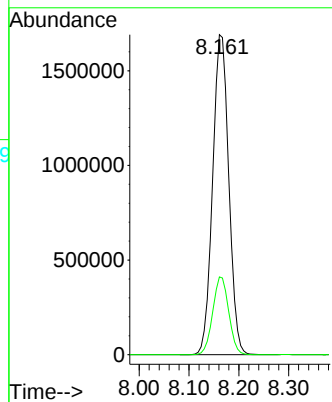
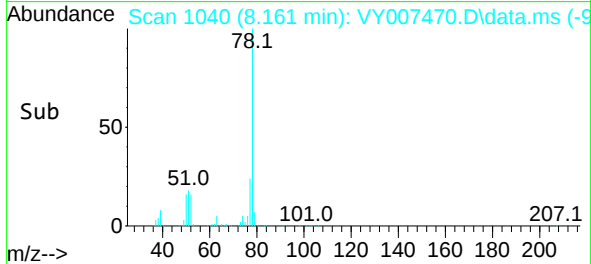
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5



Tgt Ion: 78 Resp: 379401
Ion Ratio Lower Upper
78 100
77 24.3 20.4 30.6

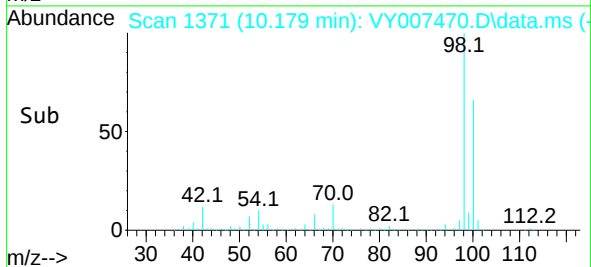
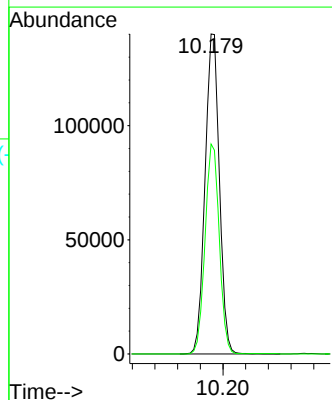
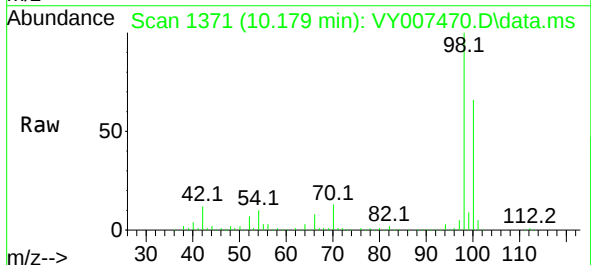
Manual Integrations
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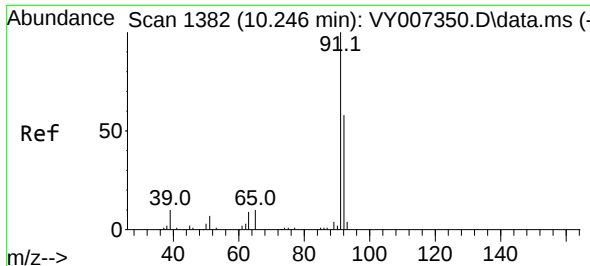
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022



#50
Toluene-d8
Concen: 52.060 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

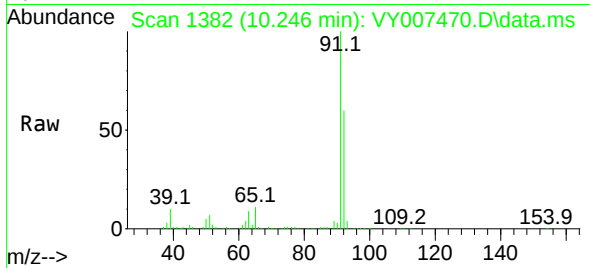
Tgt Ion: 98 Resp: 245961
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2





#52
Toluene
Concen: 9.941 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

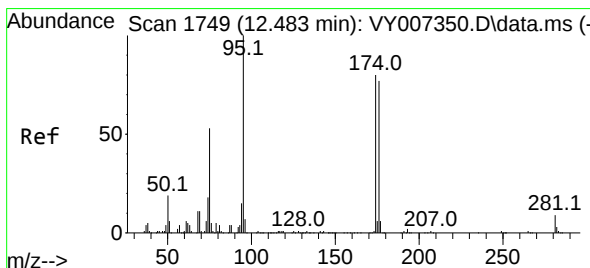
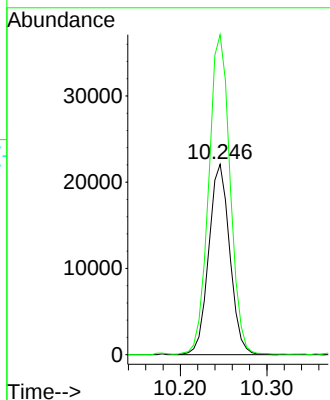
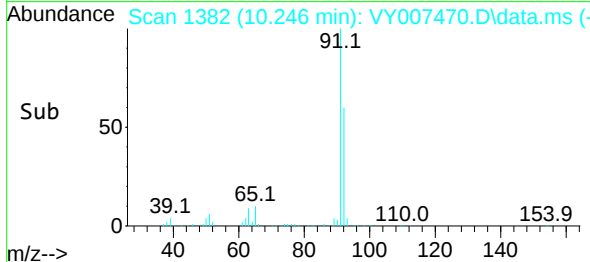
Instrument :
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A5-2-6.5



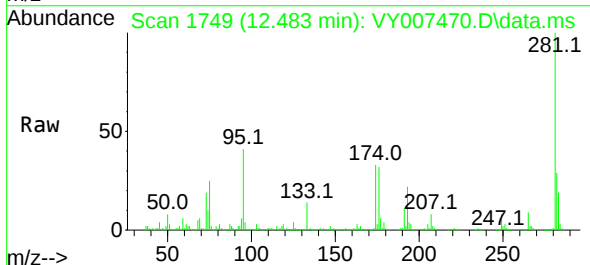
Tgt Ion: 92 Resp: 3711
Ion Ratio Lower Upper
92 100
91 170.6 142.6 213.8

Manual Integrations
APPROVED

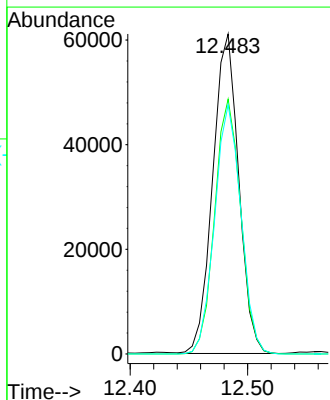
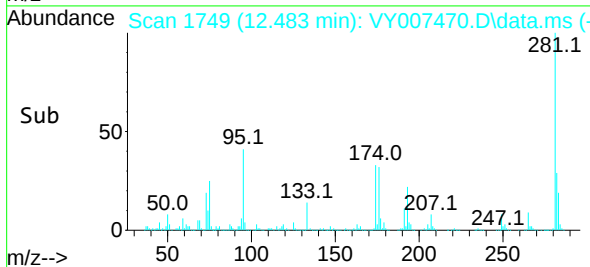
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022

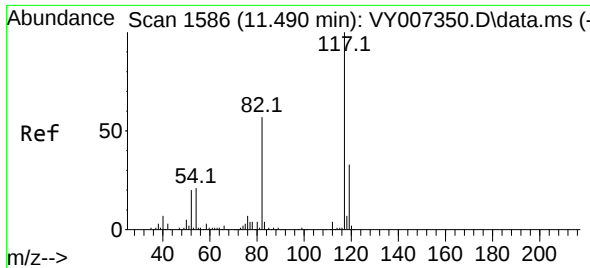


#62
4-Bromofluorobenzene
Concen: 58.451 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37



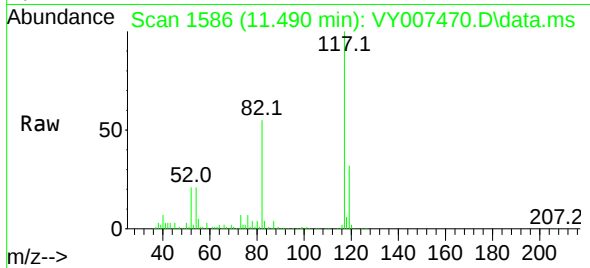
Tgt Ion: 95 Resp: 93862
Ion Ratio Lower Upper
95 100
174 79.8 0.0 177.0
176 78.9 0.0 175.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

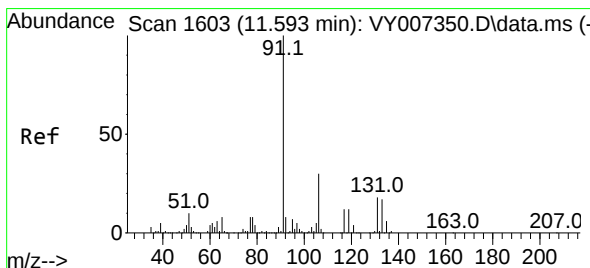
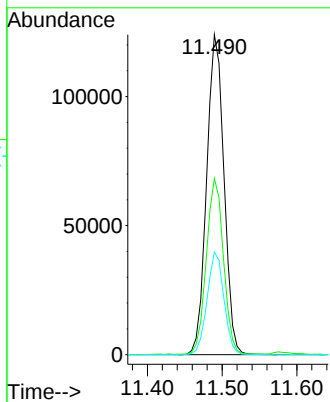
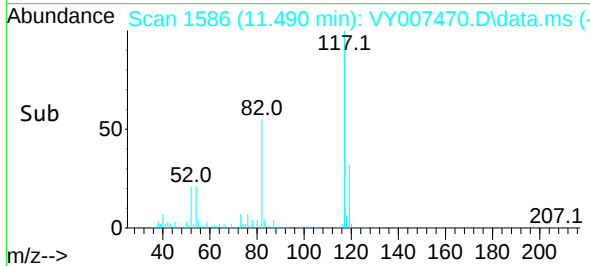
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5



Tgt Ion:117 Resp: 199758
Ion Ratio Lower Upper
117 100
82 55.0 43.0 64.4
119 32.1 25.4 38.0

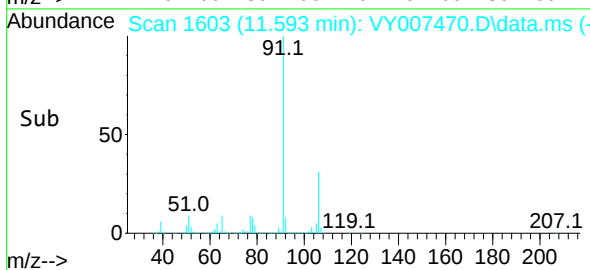
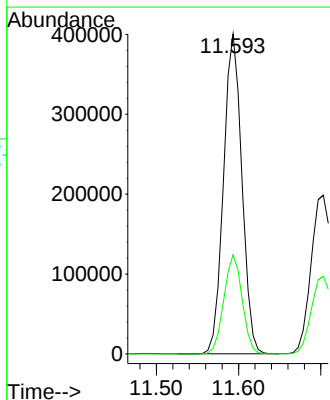
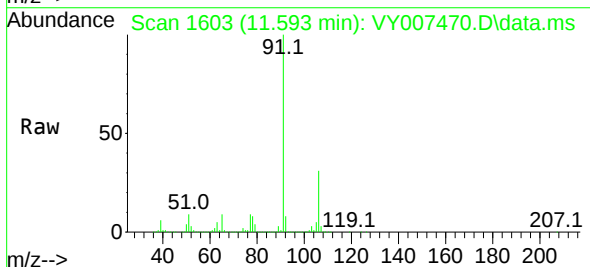
Manual Integrations
APPROVED

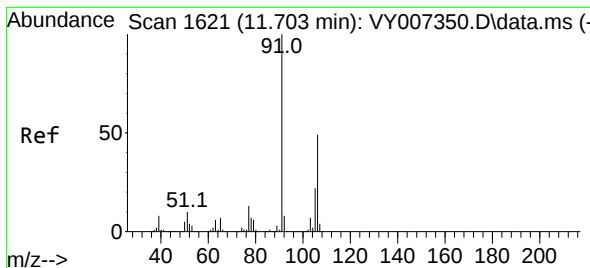
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022



#67
Ethyl Benzene
Concen: 73.663 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

Tgt Ion: 91 Resp: 621161
Ion Ratio Lower Upper
91 100
106 31.0 24.5 36.7





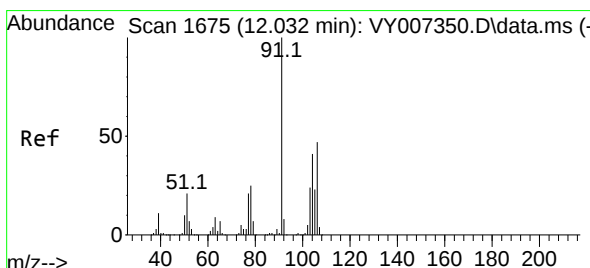
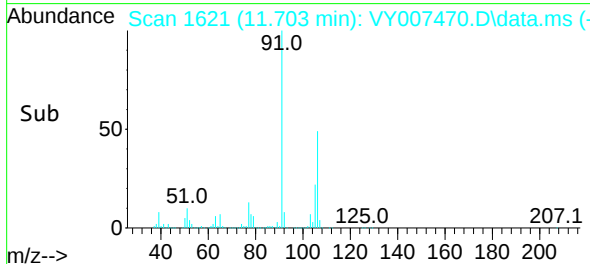
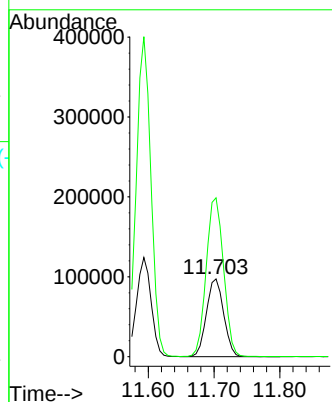
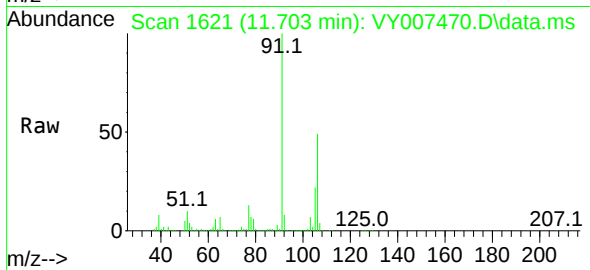
#68
m/p-Xylenes
Concen: 56.841 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5

Tgt Ion:106 Resp: 17752
Ion Ratio Lower Upper
106 100
91 205.0 166.6 249.8

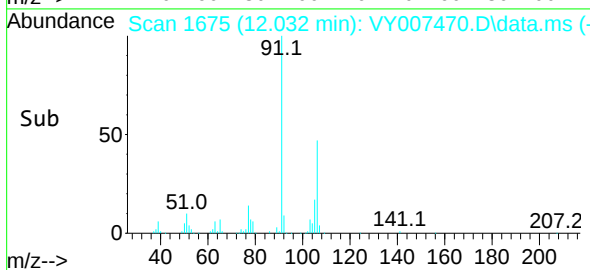
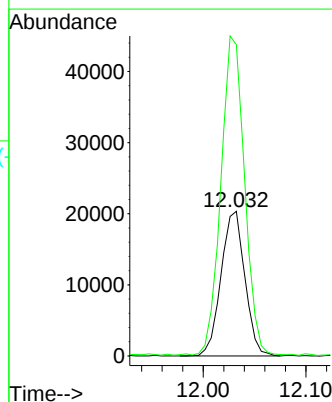
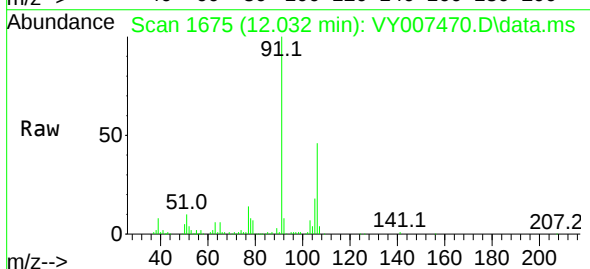
Manual Integrations
APPROVED

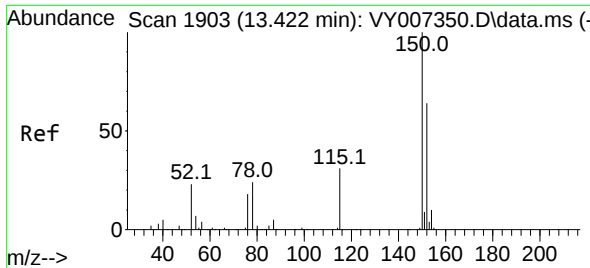
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022



#69
o-Xylene
Concen: 11.086 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

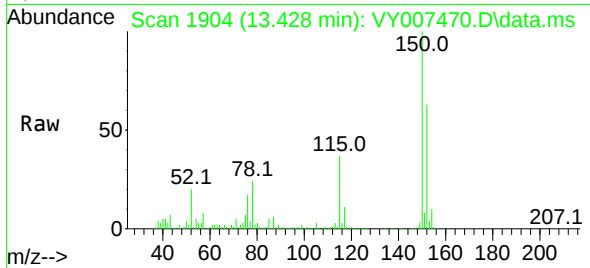
Tgt Ion:106 Resp: 32735
Ion Ratio Lower Upper
106 100
91 219.4 110.3 331.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

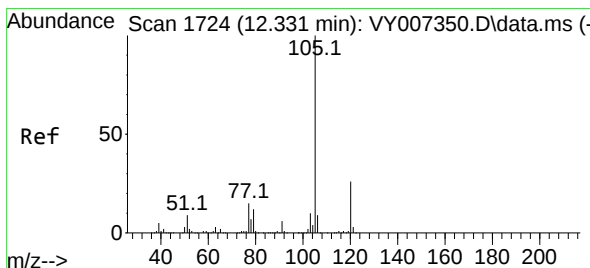
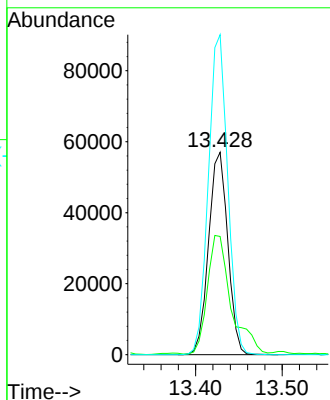
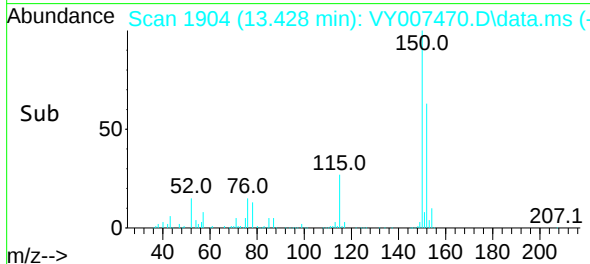
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5



Tgt Ion:152 Resp: 8785
Ion Ratio Lower Upper
152 100
115 72.1 28.2 84.7
150 158.9 0.0 347.6

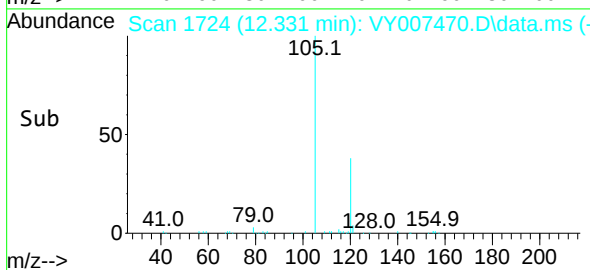
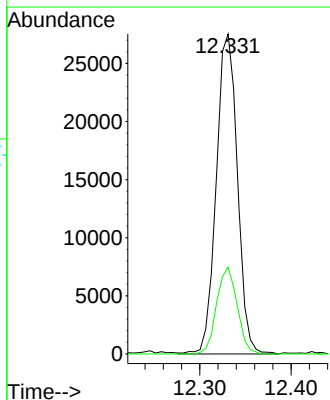
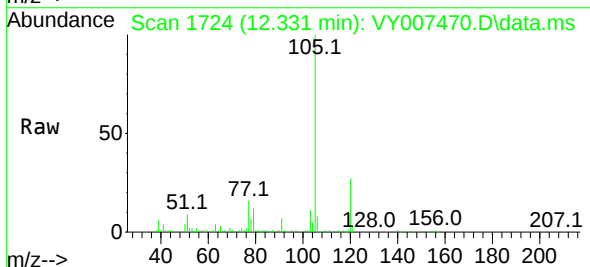
Manual Integrations
APPROVED

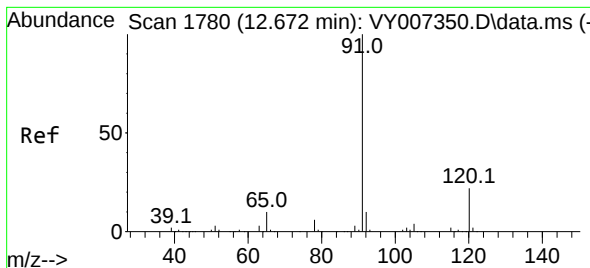
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022



#73
Isopropylbenzene
Concen: 5.504 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

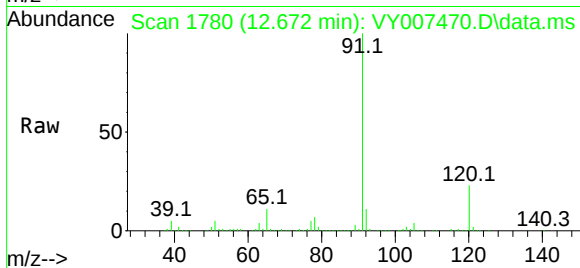
Tgt Ion:105 Resp: 44193
Ion Ratio Lower Upper
105 100
120 26.3 13.4 40.2





#78
n-propylbenzene
Concen: 13.867 ug/l
RT: 12.672 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

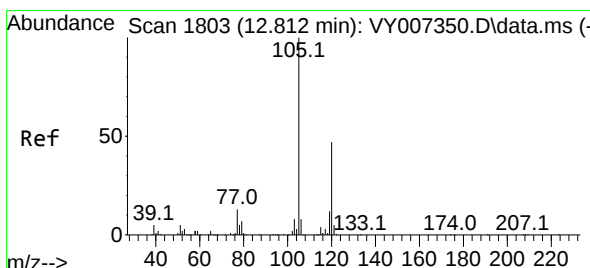
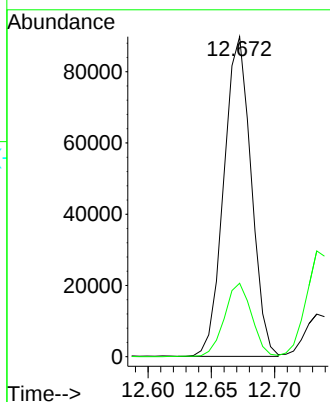
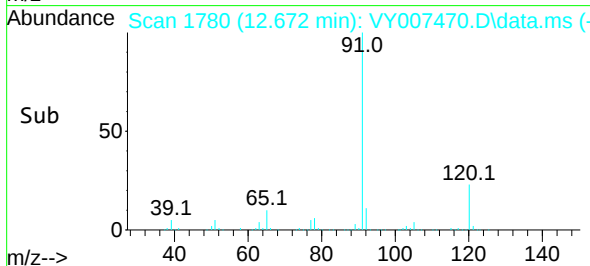
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5



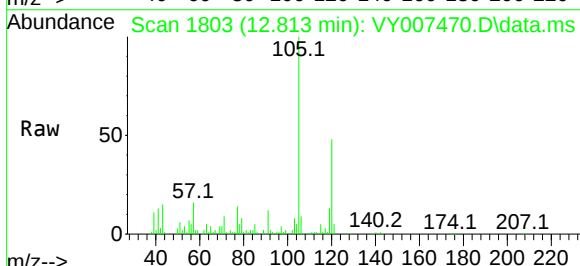
Tgt Ion: 91 Resp: 13486
Ion Ratio Lower Upper
91 100
120 23.1 11.3 33.9

Manual Integrations
APPROVED

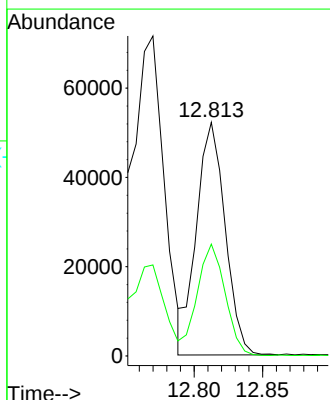
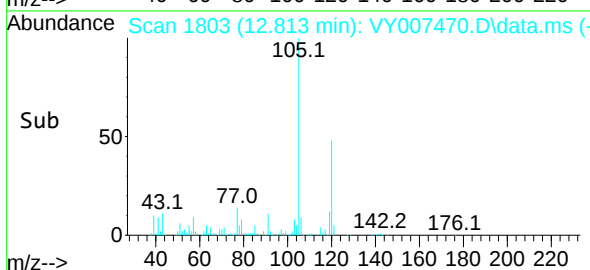
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022

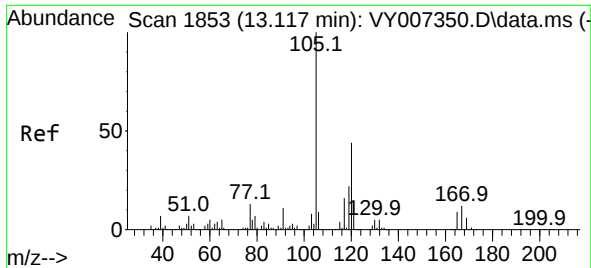


#80
1,3,5-Trimethylbenzene
Concen: 11.579 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37



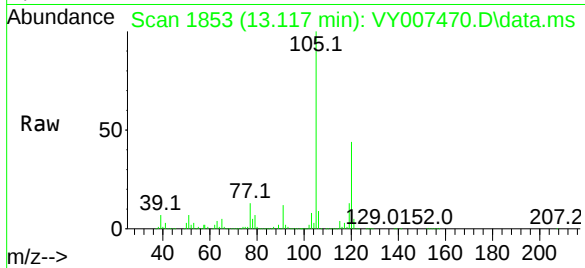
Tgt Ion:105 Resp: 75845
Ion Ratio Lower Upper
105 100
120 46.8 24.4 73.4





#84
1,2,4-Trimethylbenzene
Concen: 48.863 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

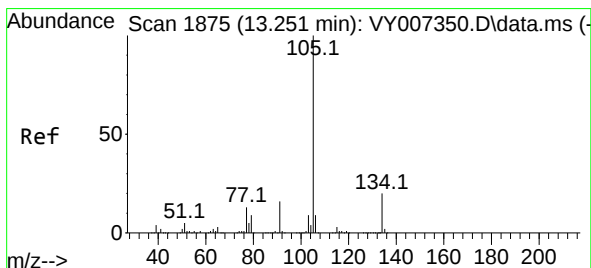
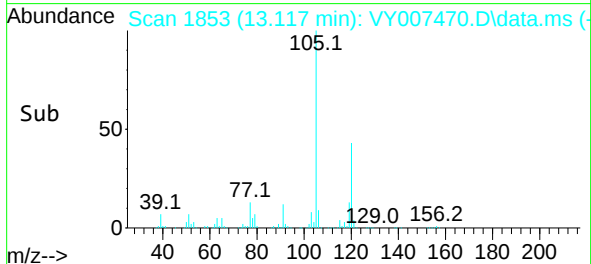
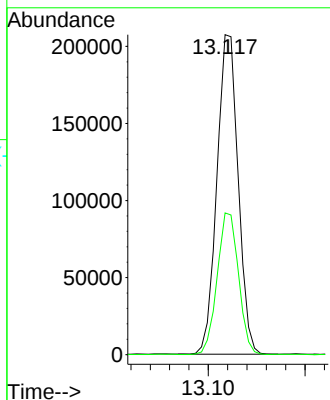
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5



Tgt Ion:105 Resp: 315139
Ion Ratio Lower Upper
105 100
120 44.5 22.3 66.9

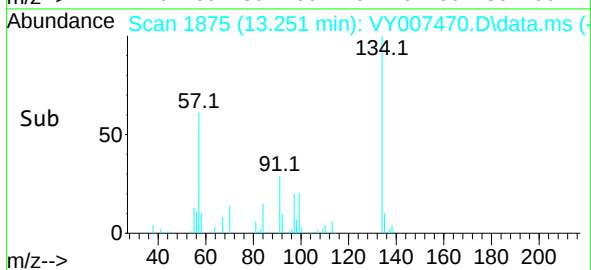
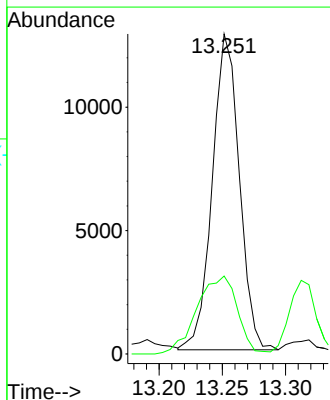
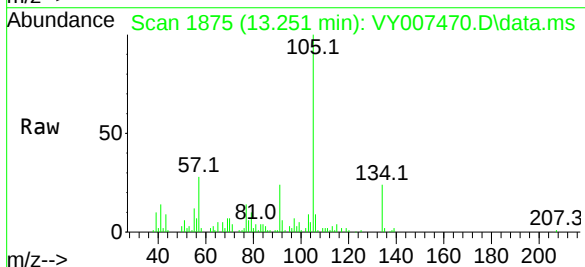
Manual Integrations
APPROVED

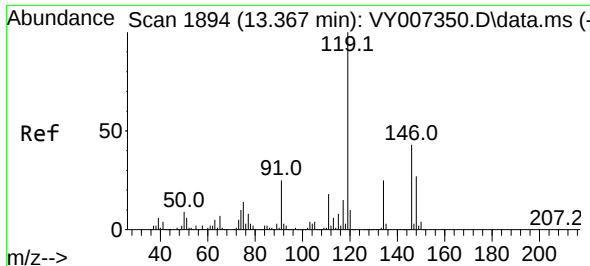
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022



#85
sec-Butylbenzene
Concen: 2.221 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

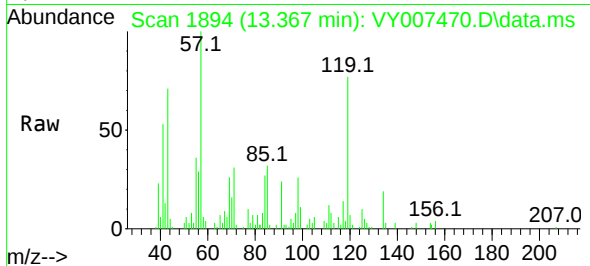
Tgt Ion:105 Resp: 18997
Ion Ratio Lower Upper
105 100
134 37.0 10.2 30.4#





#86
p-Isopropyltoluene
Concen: 1.053 ug/l m
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

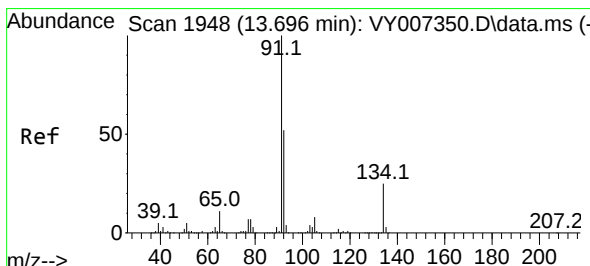
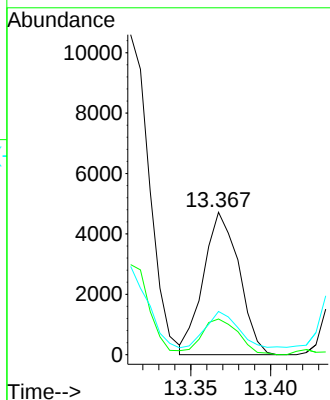
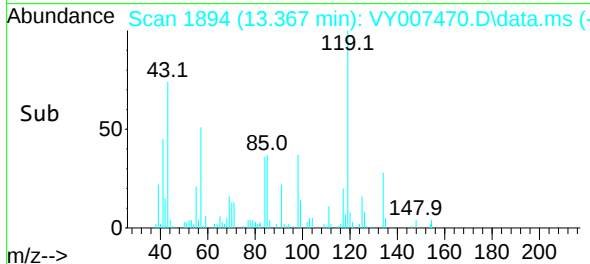
Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5



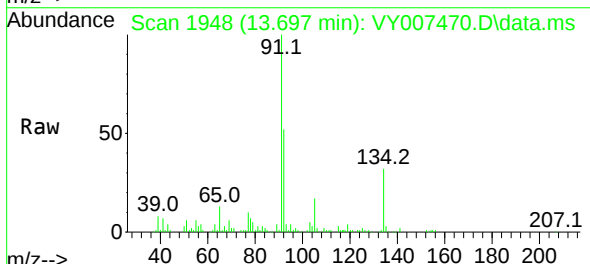
Tgt Ion: 119 Resp: 7340
Ion Ratio Lower Upper
119 100
134 59.6 13.2 39.5
91 49.4 12.4 37.2

Manual Integrations
APPROVED

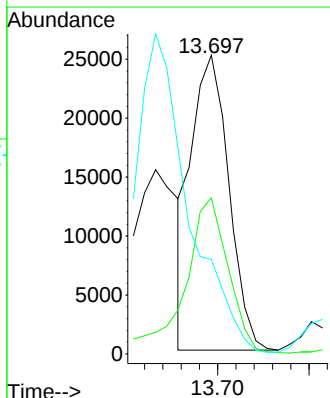
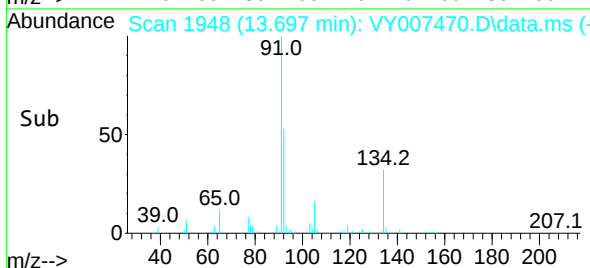
Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022

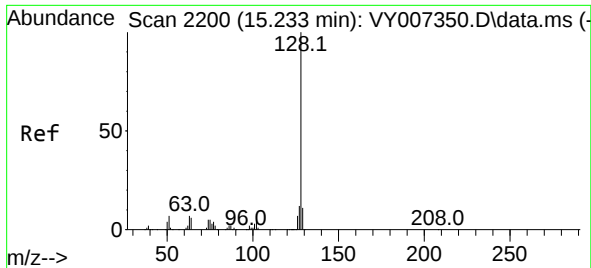


#89
n-Butylbenzene
Concen: 5.314 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37



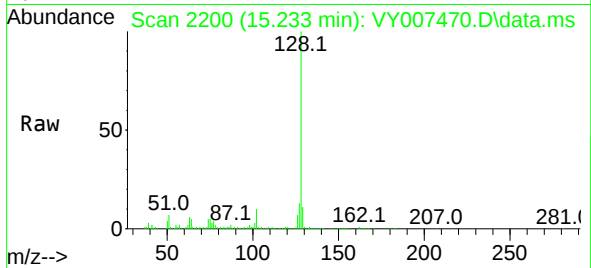
Tgt Ion: 91 Resp: 35636
Ion Ratio Lower Upper
91 100
92 61.6 26.3 78.9
134 0.0 13.0 38.9





#95
Naphthalene
Concen: 80.947 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY007470.D
Acq: 10 Feb 2022 14:37

Instrument :
MSVOA_Y
ClientSampleId :
A5-2-6.5



Tgt Ion:128 Resp: 287549
Ion Ratio Lower Upper
128 100
127 13.1 11.0 16.4
129 10.7 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2022
Supervised By :Mahesh Dadoda 02/11/2022

